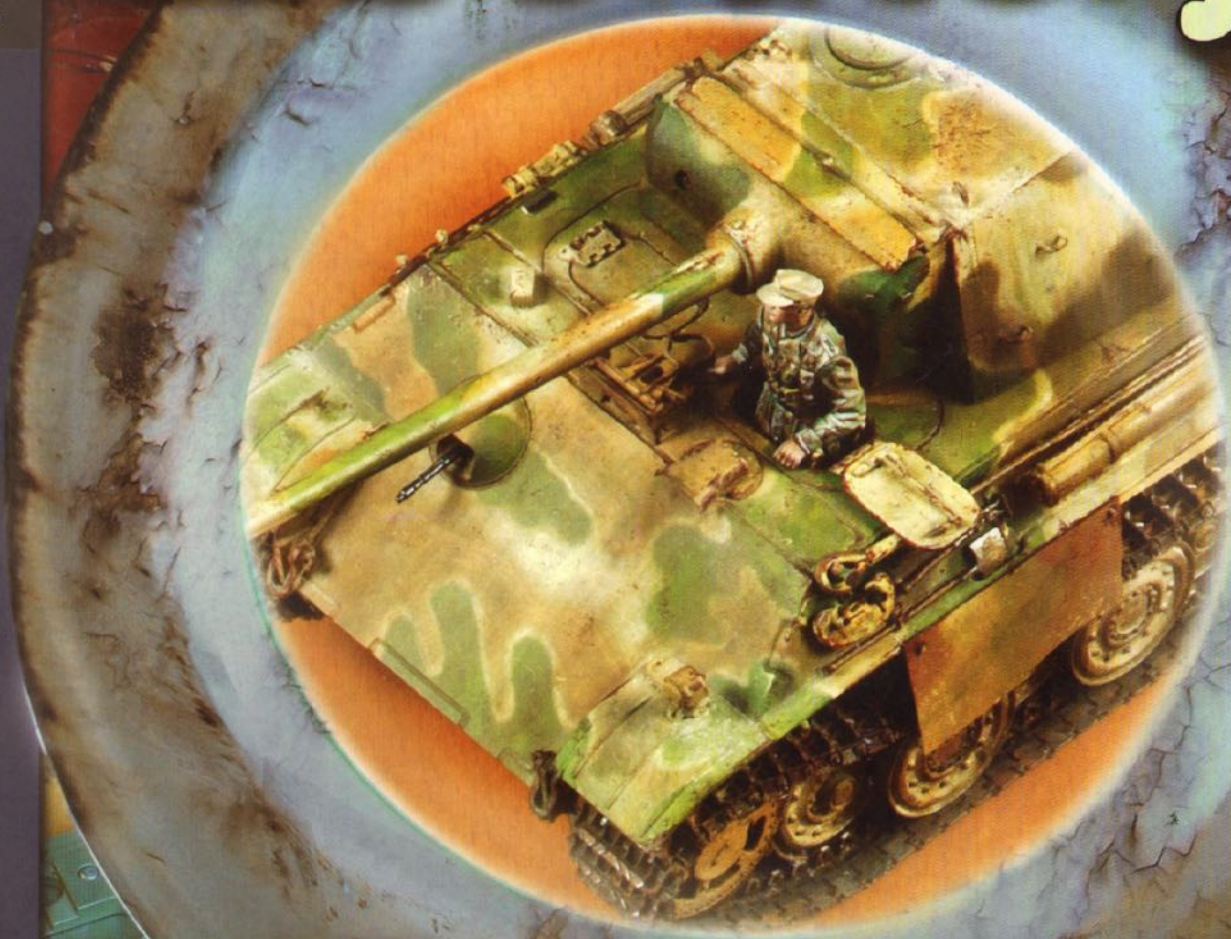
Acción Press
MODELISMO
Nº 1
ENGLISH 6€

Model Laboratory

SD.KFZ.171 PANTHER G W/STEEL ROAD WHEELS



ISBN 978-84-95464-77-4

PANTERA

Pz.Kpfw. V Panther Ausf. G
(Sd.Kfz. 171)

By: Fernando González
Pictures: Fernando Cañellas.

MATERIALS EMPLOYED

Kit:
- Sd. Kfz. 171 Panther G with steel wheels. Dragon. Ref. 6370. 1/35 scale.

Photo-Etched Set:
- Panther G (early/late). Lion Roar ref. LES007 1/35 scale.

Gun:
- German 7.5 cm KwK 42 L/70 Gun Barrel. Aber ref. L-56.

Tracks:
- Panther Late Type Tracks. Friulmodel ref. ATL-08.

Tow gear and tow cable:
- M4-Models. Ref. 35001 and 35013.

COLOR CHART

Panzer Aces (acrylics)

301 Light Rust	
302 Dark Rust	
303 Yellowish Rust	
306 Dark Rubber	
309 Periscopes	
311 Madera Nueva	
315 Light Mud	
319 USMC Tankcrew	
321 Highlight British Tkr.	
335 German Tkr. II (Feldgrau)	
340 Highlight Afrikakorps	

Model Air (acrylics)

002 Yellow	
022 Camouflage Green	
035 Camouflage Light Brown	
065 Steel	

MIG Productions The Filter (enamel)

Brown for desert Yellow	

MIG Productions (pigments)

P028 Europe Dst	
P030 Beach Sand	

Tamiya (acrylics)

XF-1 Black	
XF-2 White	
XF-3 Yellow	
XF-7 Red	
XF-60 Dark Yellow	
XF-64 Red Brown	

MIG Productions (oils)

001 Snow white	
020 Faded Dark Yellow	
025 Brick Red Color	
040 Faded Green	
070 Dark Rust	
080 Wash Brown	

Model Color (acrylics)

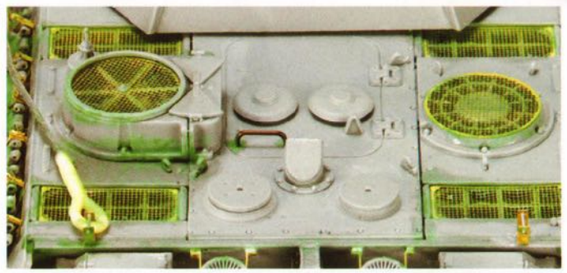
911 Light Orange	
917 Beige	
950 Black	
951 White	
957 Red	

ASSEMBLY

This Dragon kit has been chosen to reproduce a late Panther unit because of its overall quality and moderate price. The kit includes an adequate photo etched sheet that will help us even more when reproducing the finer details.

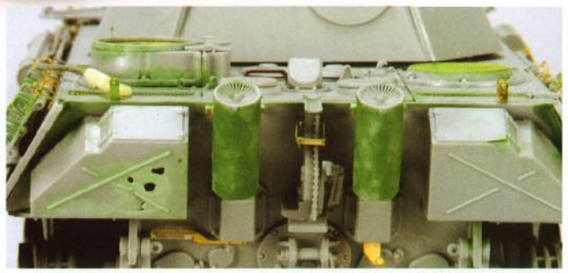
The plastic pieces are assembled without problems or major issues, bearing always in mind those pieces that will eventually be substituted for other ones or refined in some way. I fixed the excessive symmetry of the armored vehicle by substituting one of the steel wheels for one of the old ones with the rubber band around it. This is basically it for this section, so I invite you to bear with me while you follow the assembly and painting stages that come next.

1



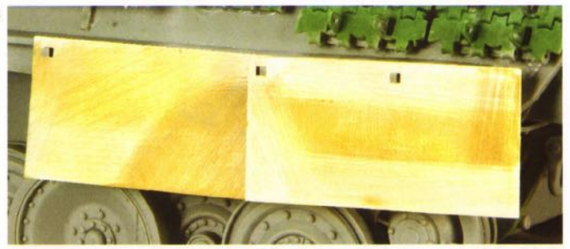
1: The fine photo etched grille is included in this Dragon kit. It has been glued first using liquid styrene glue, and then I used cyanoacrylate glue (the liquid type) to fix it permanently in place. It has been applied with a dispenser.

2



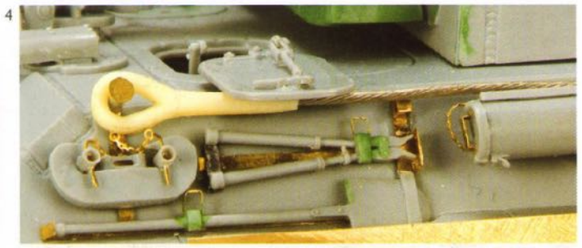
2: The internal area of the left box has been trimmed with a mini drill and a milling tool. Once the plastic surface was properly trimmed a few simulated "shrapnel holes" have been drilled.

3



3: The photo etched pieces used to recreate the lateral protections fit perfectly on the sides of the vehicle. These have not been glued in order to make things easier for the painting processes that will follow. The steel tow cable and the resin pieces are M4-Models references from this local (Madrid) brand.

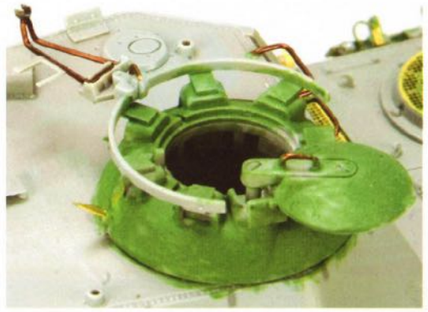
4



5

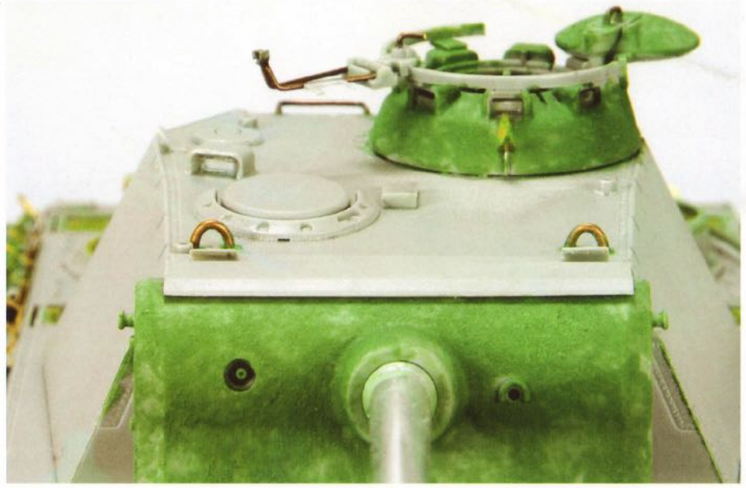
4-5: The Dragon tools are carefully polished in order to remove molding residue and injection molding marks. The Lion Roar's photo etched sheet will provide the necessary pieces which will help us improve, add detail or simply enhance the tools and the fastening structures.

6



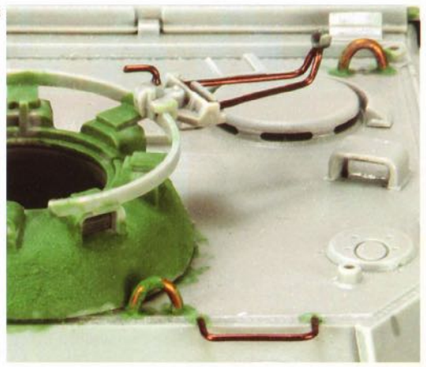
6: The commander's turret requires special attention. We'll begin by giving the turret some texture by using Squadron brand Green Putty applied with a used flat brush. The machine gun support has been done again using copper wire of the proper diameter. The discarded plastic piece will only be used as a guide (right shape and size) to build our copper wire structure.

7

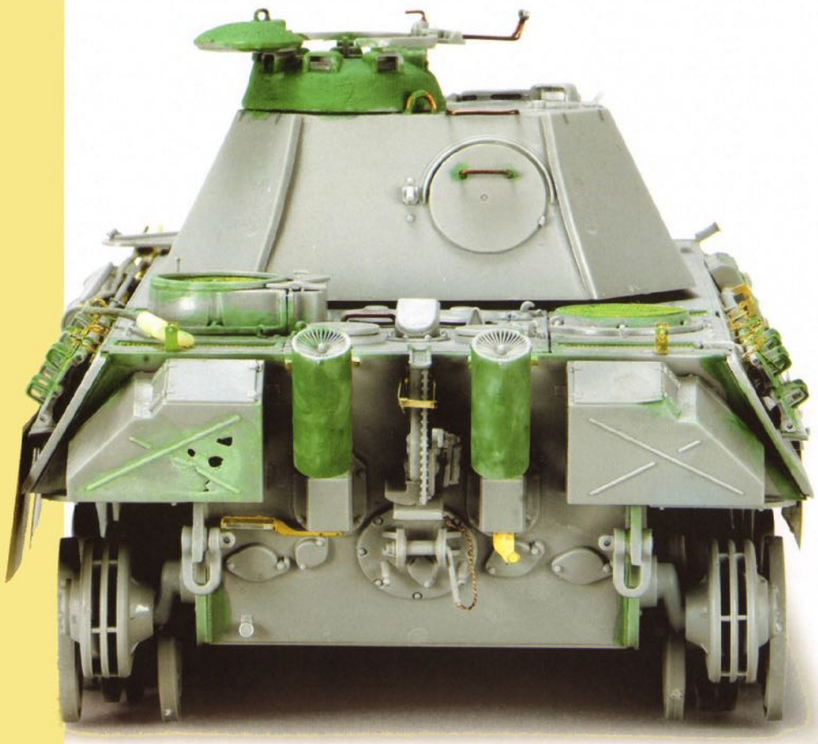


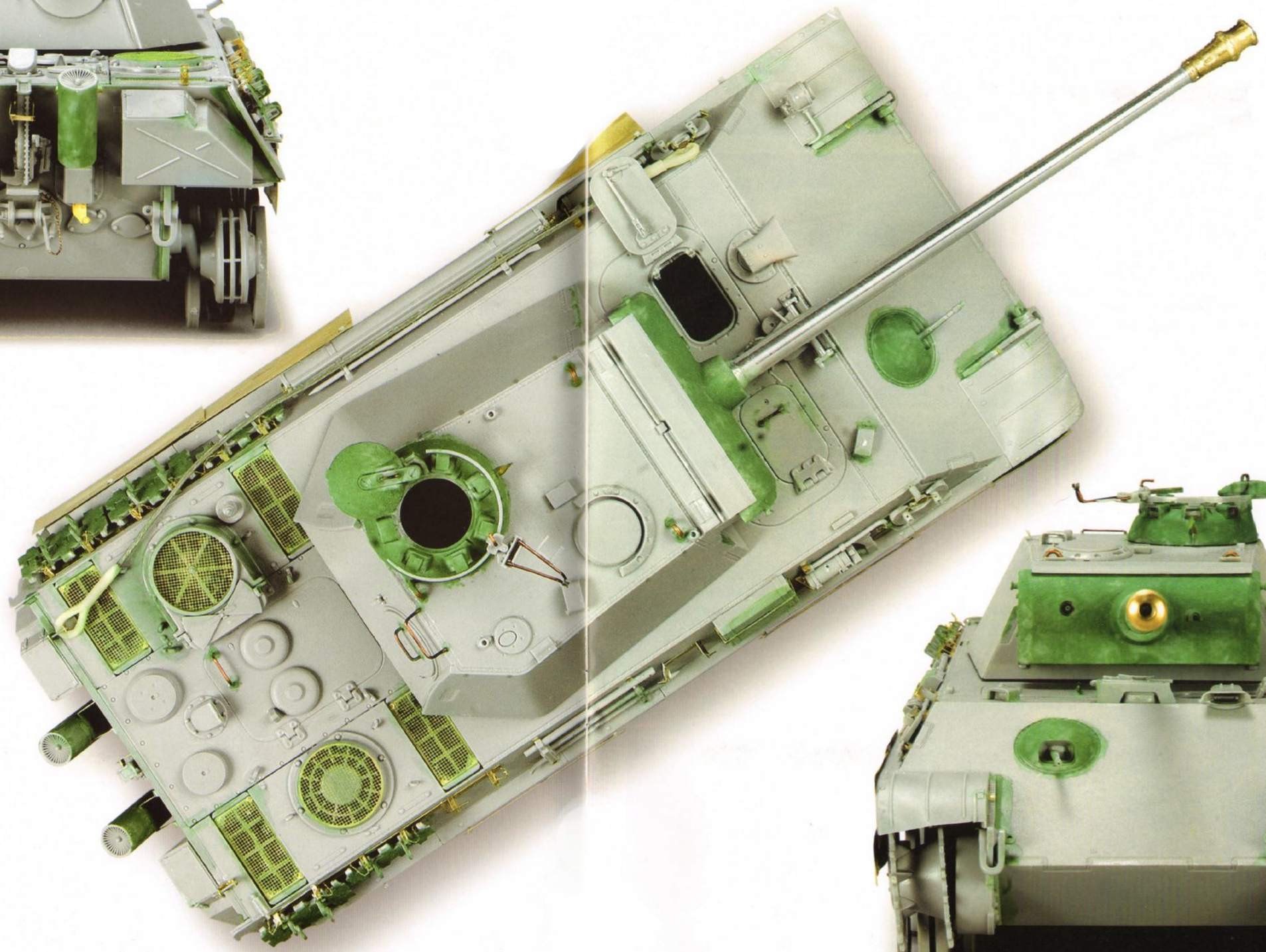
7: The gun's mantelet will be texturized with putty like the commander's turret. The mooring rings are also made of copper and given the proper round shape using as a mold the tip of a drill.

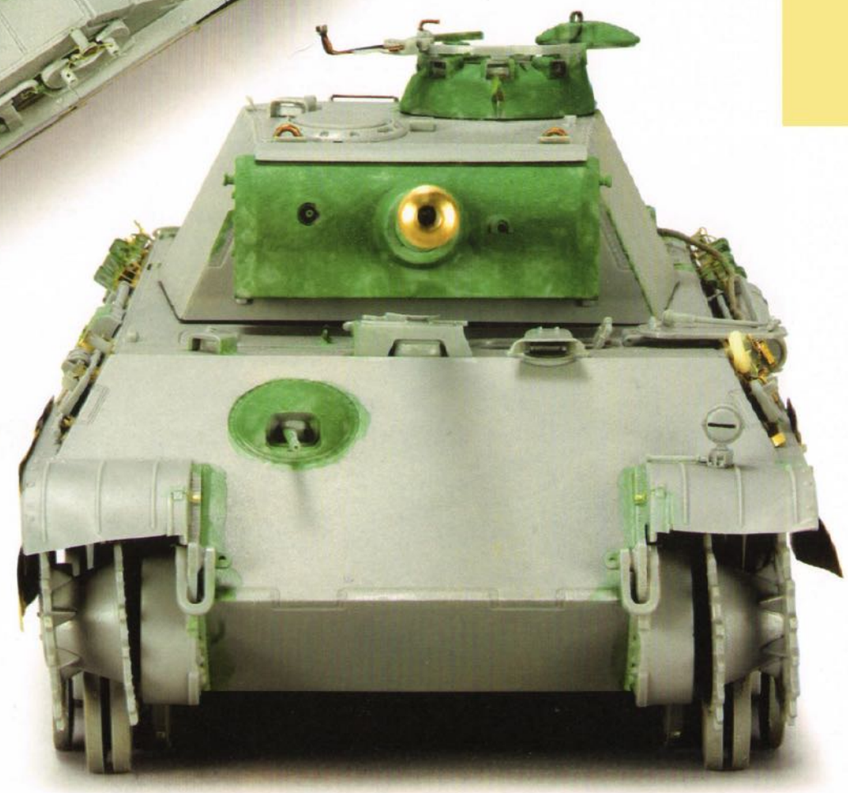
8



8: All the different fastenings, mooring structures, foot supports and all such structures on the vehicle have been recreated using copper wire because the plastic originals are usually thicker and bigger than the scale would permit. These elements also come with a fair amount of molding residue and it is easier to make them from scratch than to clean them up.





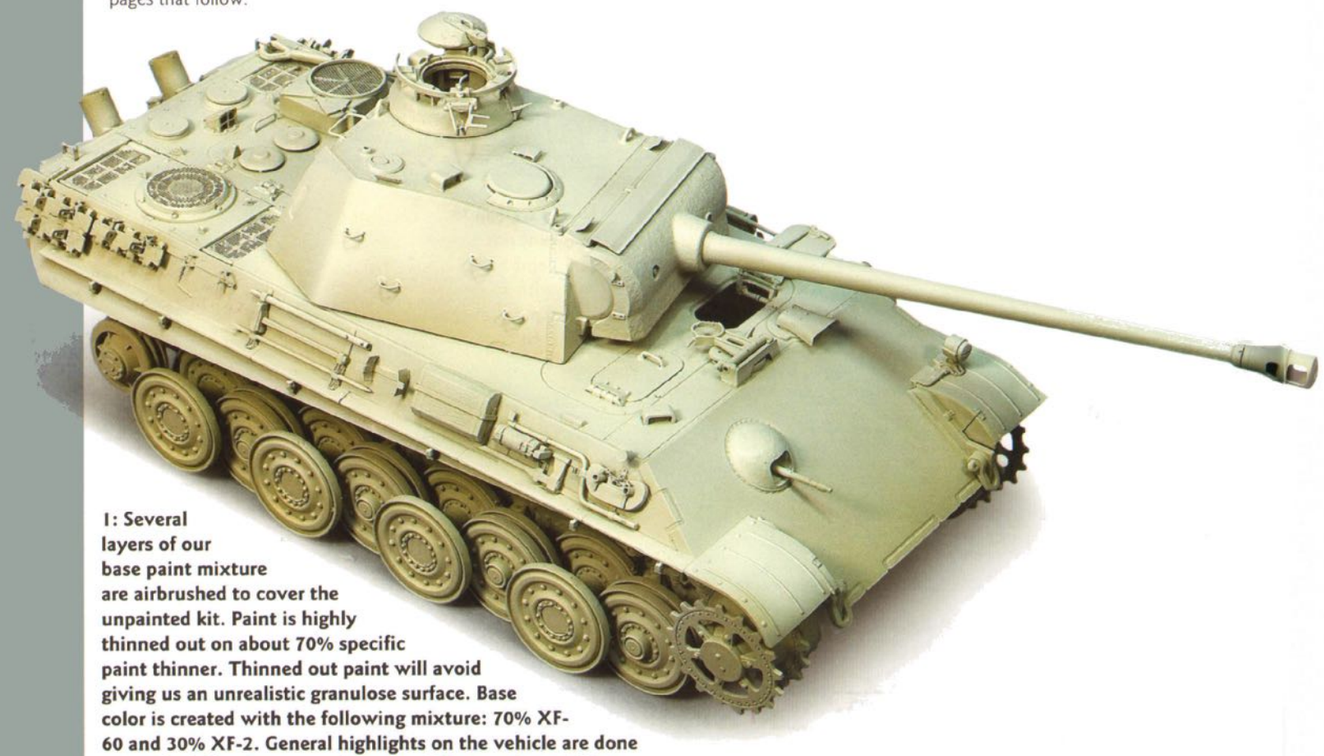


PAINTING

We've chosen to decorate this late Panther unit using a rather curious light camouflage scheme. The camouflage spots are well defined and their edges are pretty well defined as well. This pattern creates in some areas some thin color threads of the original base color between the camouflage spots.

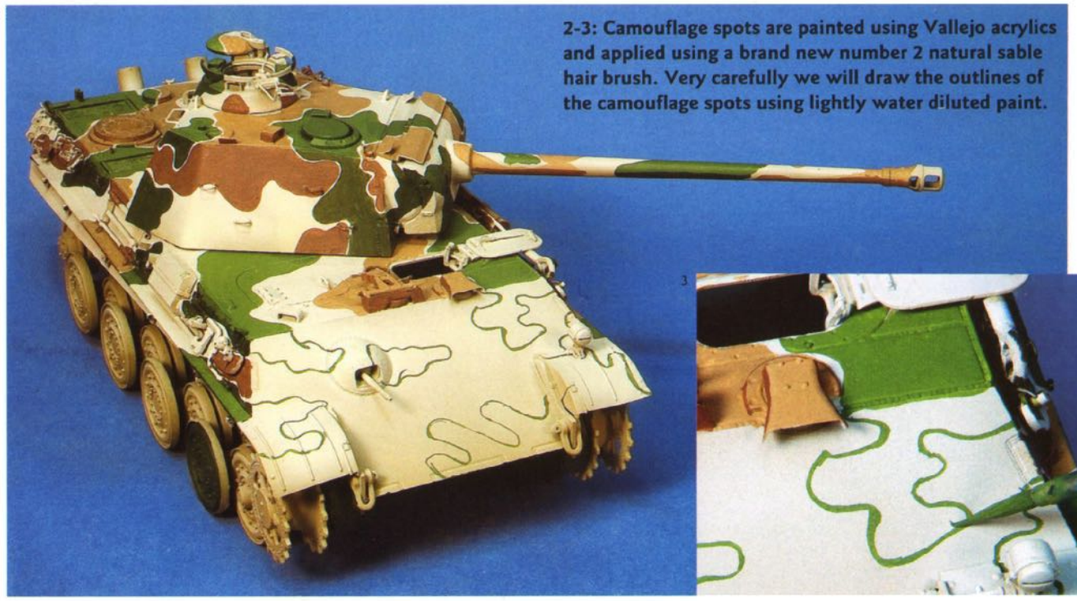
In order to reproduce this we will have to prepare well our airbrush kit, cleansing it to perfection and doing some previous color tests on a piece of paper before touching the camouflaged surfaces of the kit.

I don't want to give lengthy explanations here so I've chosen to show the process on the pictures and the captions underneath in the pages that follow.



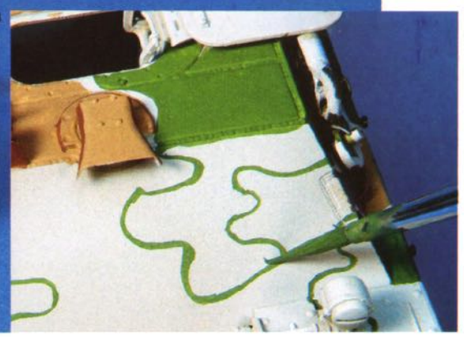
1: Several layers of our base paint mixture are airbrushed to cover the unpainted kit. Paint is highly thinned out on about 70% specific paint thinner. Thinned out paint will avoid giving us an unrealistic granulose surface. Base color is created with the following mixture: 70% XF-60 and 30% XF-2. General highlights on the vehicle are done using the following proportion: 40% XF-60 and 60% XF-2.

2



2-3: Camouflage spots are painted using Vallejo acrylics and applied using a brand new number 2 natural sable hair brush. Very carefully we will draw the outlines of the camouflage spots using lightly water diluted paint.

3



4

5

6

4: Now we can fill in the camouflage spots. It's important not to try to cover everything at once using thick paint because otherwise we would obtain "bumpy" spots with visible brush strokes. Only by using water diluted paint and applying as many layers of paint as needed to cover the surface will we get a homogeneous surface.

5-6: We will go over the surface painting this time the brown camouflage spots.

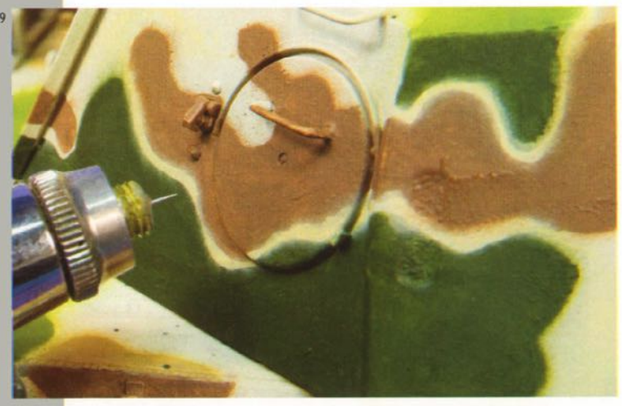
7: Here we see the finished vehicle with the camouflage spots completely outlined and filled in. As we can see in the picture, the horizontal surfaces of the vehicle are more clearly identifiable than the vertical ones. This effect will enhance the overhead lightning of our vehicle.

7

8

8: In this picture we can see the colors employed for our vehicle's camouflage spots.

9



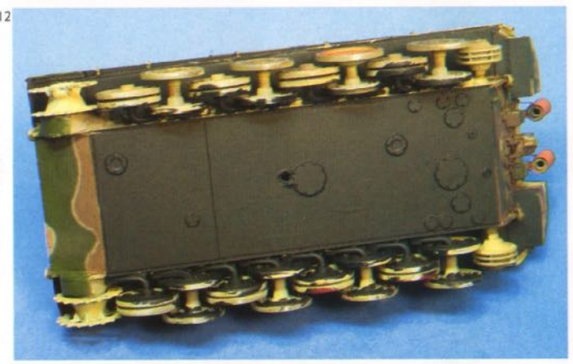
10

9-10: Now we can soften the rough edges of the camouflage spots. In order to do this we'll have to have our airbrush kit in perfect working order and cleanliness. We have used in this example a "Focus" 0.2 mm mouthpiece and needle and we have kept it always close to the kit's surface while painting it. Paint has been applied highly diluted as well.

11

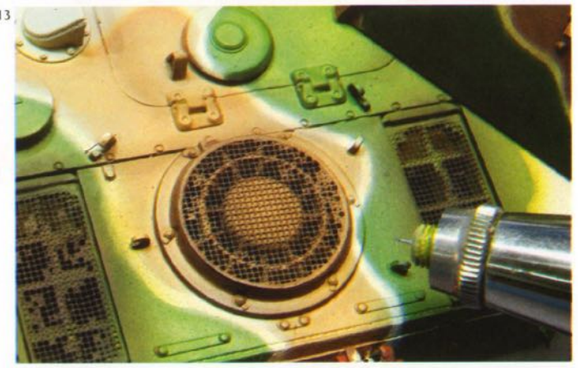
11: We have successfully reproduced the semi-rough edges seen on the period picture around the camouflage spots. This has been done by applying the airbrushed outlines using our base color mixture.

12



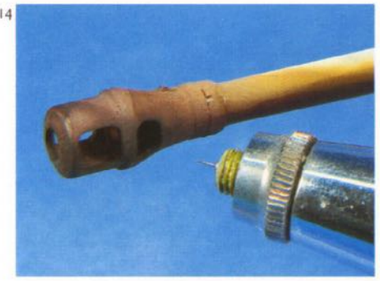
12: The lower areas of the vehicle have been painted using Vallejo's matt black applied with a flat brush. This is an area of maximum shading and that's why it has been painted using sheer black.

13



13: Using a highly diluted 50% mixture of Tamiya's black and Red Brown we can put some dirt on the ventilation grilles of the vehicle.

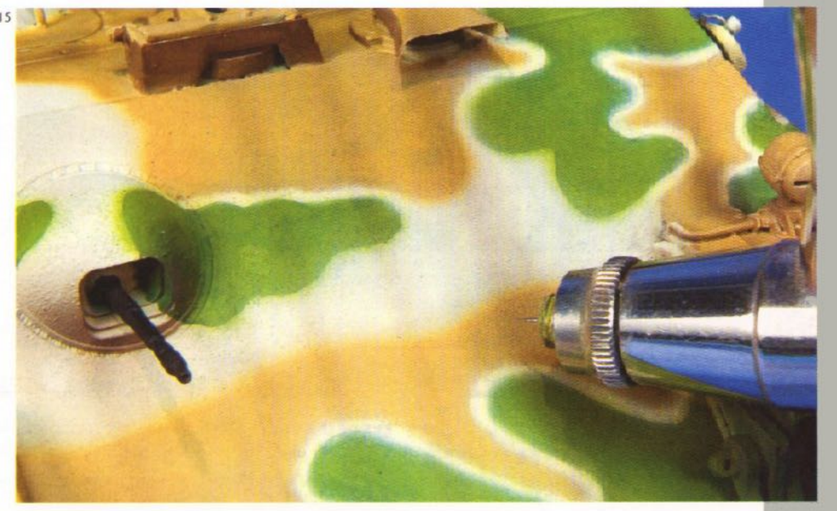
14



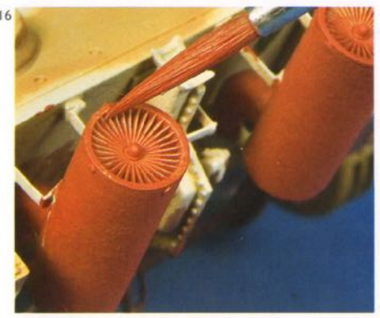
14: The mouthpiece of the gun has been darkened using highly diluted black paint.

15: Using different highly diluted Tamiya colors we will apply a few vertical paint strokes on the kit. The strokes should be quite subtle always trying to avoid marking these too much.

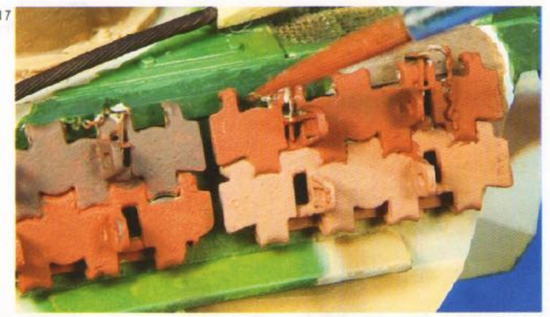
15



16

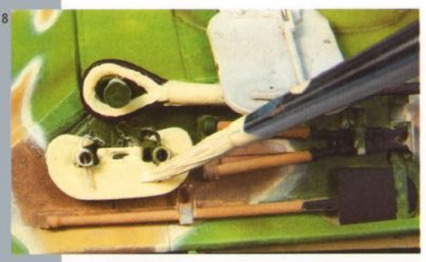


17

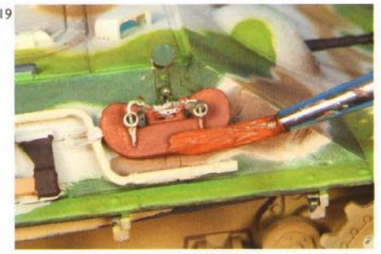


16-17: We will use the Panzer Aces rust acrylic color range to paint the exhaust silencers and the spare track sections.

18

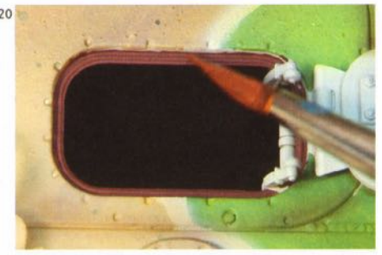


19



18-19: Tools are painted with the corresponding base colors, trying to get as much color variation and range as possible.

20



20: In order to reproduce the red priming paint we'll mix Vallejo's red and black references.

21

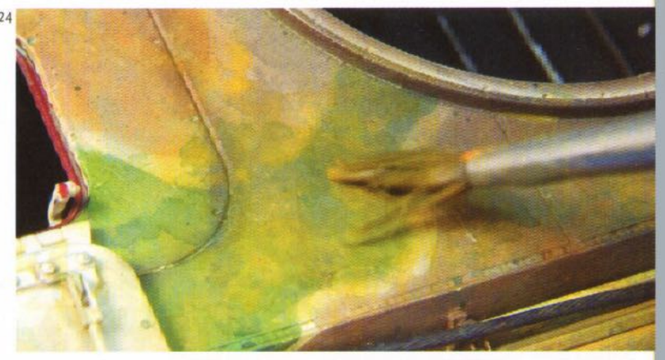
21: These are the colors employed to create the base paint on the different items the vehicle has.

22: In order to darken nooks and corners and blend together the different colors of the vehicle, we will apply an overall paint filter covering the whole kit. All surfaces are soaked, but being careful not to make paint puddles. This paint filter can be dried up quicker by using a hair drier.

22

23

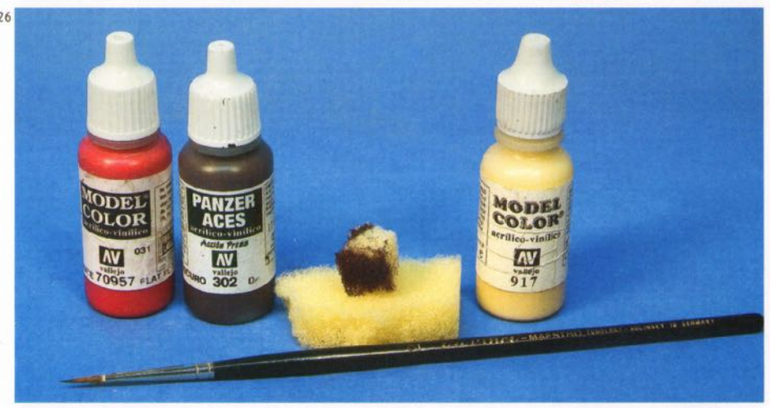
24



23-24: Now we will add some weathering to the kit using Vallejo acrylics. This is basically a process of doing "micro-stains" one on top of each other using different highly diluted colors. These stains should be small and should contain a minimum amount of pigment that will later only be seen subtly through the oil paint weathering to come.

25: In this picture we can see how the kit has changed and how it does feature a richer color span and a more worn look.

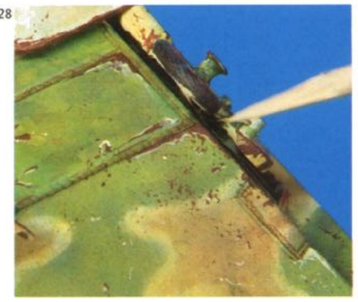
26



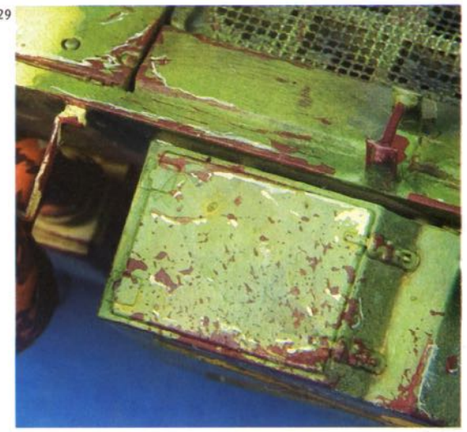
26: After we've done some small dirt stains, we should do some paint chips and scratches throughout the vehicle. These will be centered on the access areas and those prone to greater manipulation. The small "cloud like" paint chips can be recreated with a small sponge lightly soaked in paint. We can do some highlights on those chips lighter than the base color.

27

28



29



27-28: A few paint chips (and their highlights) are done with a number two brush.

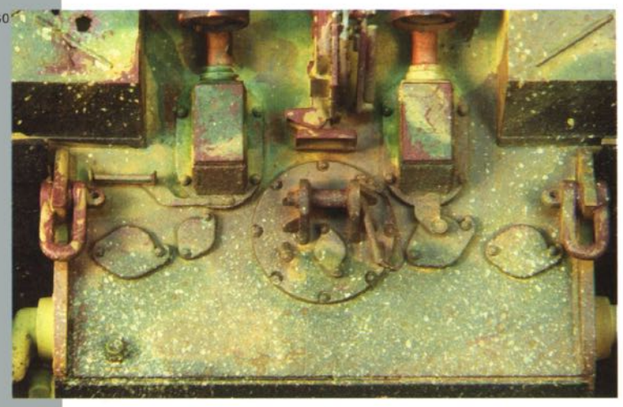
29: We can see in this area the two techniques previously explained.

33

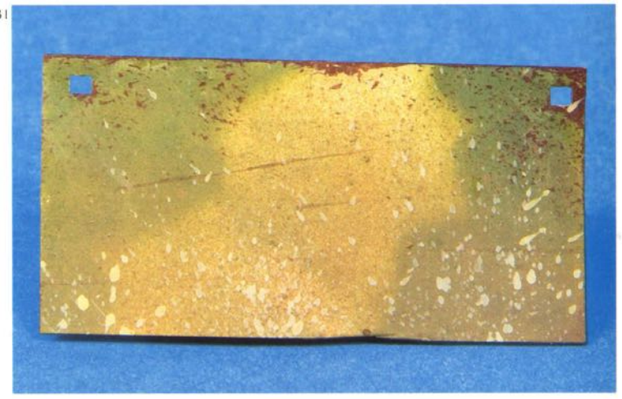
33: Now it's time for oil paint ageing. Using White Spirit thinner manufactured by MIG Productions, oil paint and a couple of brushes we will do this treatment.

34-39: The first step would be to soak (not doing puddles) the area with White Spirit using a flat synthetic brush. We will then put immediately small portions of oil paint; these will melt together with the help of our flat brush. We will then allow this to dry up for a full day before we apply the following treatments.

30



31



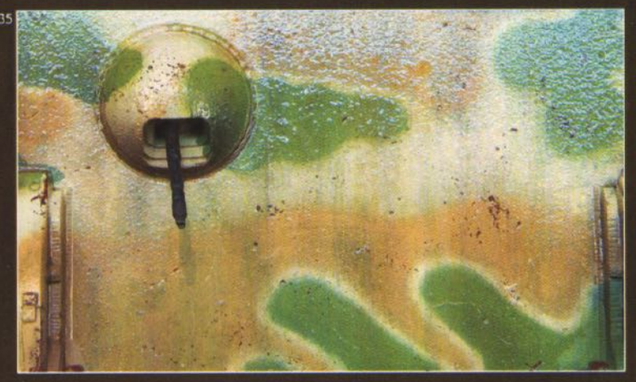
30: in order to recreate adhered dirt and splashes, we will airbrush sand colored hues on the lower areas of the vehicle. Using three water diluted acrylic references we will airbrush air on a flat brush that has previously been soaked on the paint jar before applying paint.

31: Here we can see the effect of the previous technique.

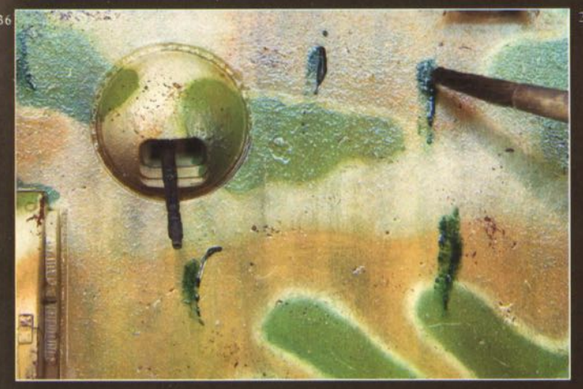
32: Here we can see the result of the previous techniques.

34

35

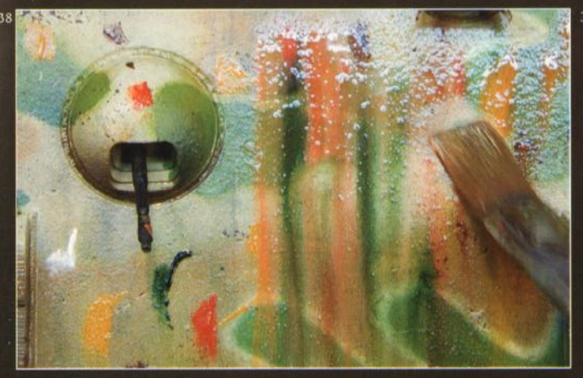


36



37

38



39

40: The treated area has considerably improved effect wise with the transparent layers obtained with oil paint.

41

41: Then we varnish the kit using a 50% mixture of Titan's matt and satin varnish. This mixture is then thinned out on 60% nitrocellulose thinner.

42: Forty eight hours are needed to make sure varnish has dried up completely. This armored vehicle is almost finished.

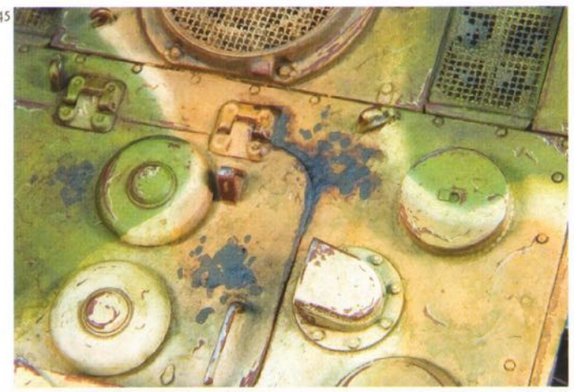
43

43: Acrylic paints employed on the different metallic effects of the kit.

44

44: Areas subject to continuous friction –the wheels for instance- have a tendency to get polished surfaces. This effect will be reproduced using the mixture mentioned earlier or a soft leaded pencil.

45



45: Grease stains are recreated using bitumen thinned out in different proportions.

46

46: MIG Pigments are used in the final step for the final technique employed. Using small amounts of it applied with a synthetic brush on a few key spots (nooks corners etc.) we then proceed to fix the pigments with MP's own brand fixer. This product is airbrushed using low air pressure.

Panther Characteristics

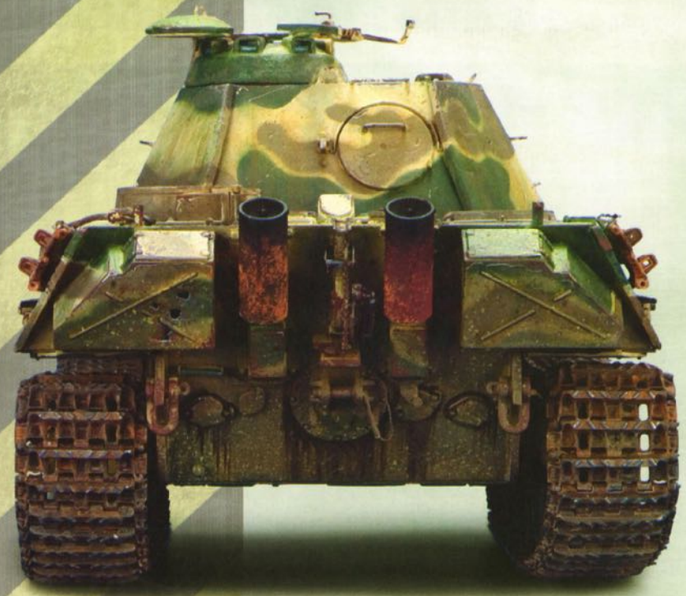
Weight:.....45,500 Kg.
Total Length:: .....8,86 m.
Total width:.....3,4 m.
Total height: .....2,98 m.

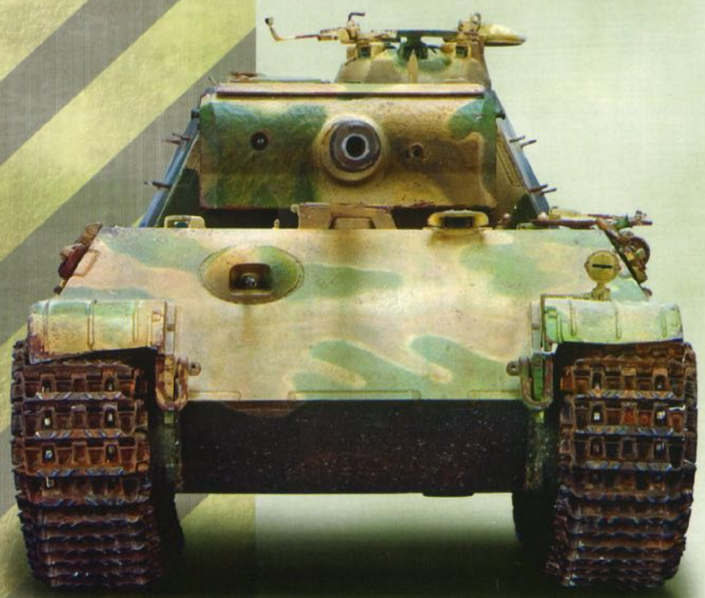
Motor: .....Maybach HL230P30
Maximum Speed: .....46 Km/h.
Range: .....200 Km.

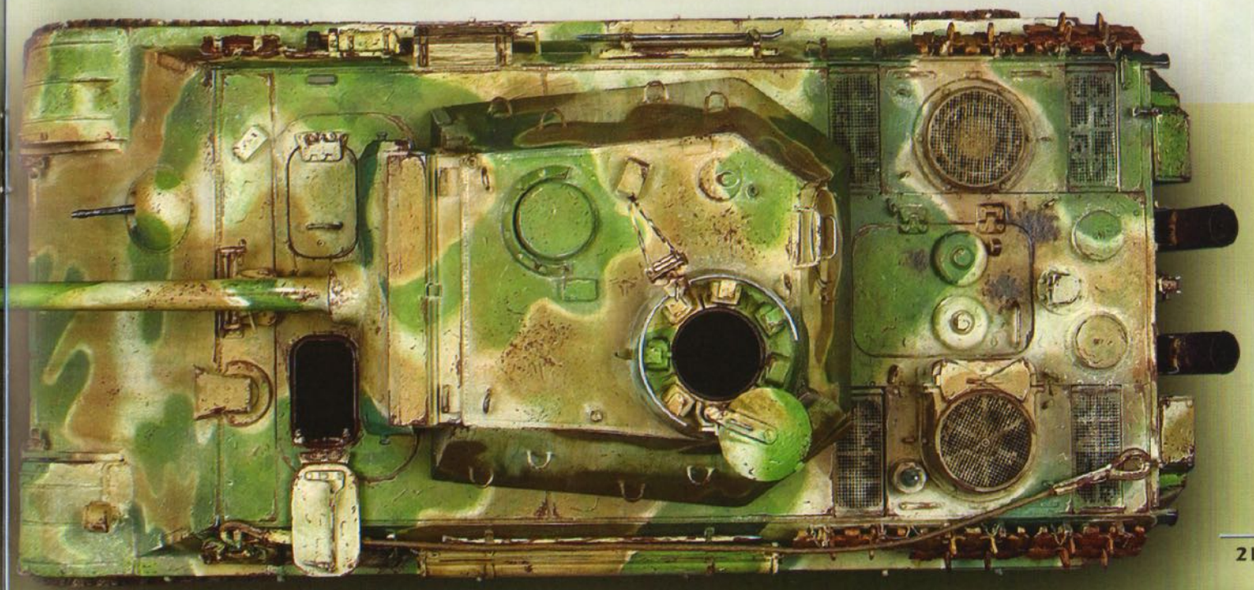
Armament: .....7,5 cm KVK 42 U 70 gun
Three 7,92mm... MG 34 machine guns

Armor (mm)

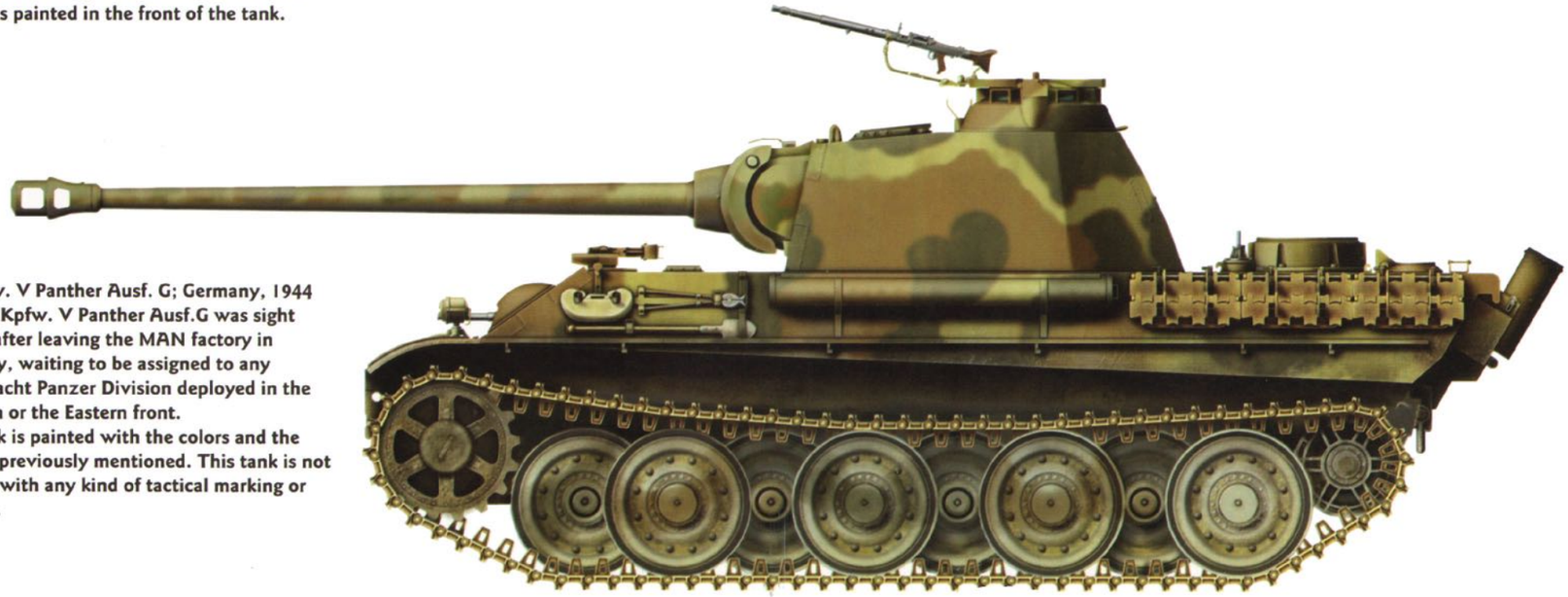
Frontal turret.....110
Frontal hull.....80
Sides Turret 45
Sides Hull.....50
Rear turret.....45
Rear hull.....40
Roof 16







Pz.Kpfw. V Panther Ausf. G; La Gleize; Ardennes (Belgium), 1945
Here we can see another Panther Ausf. G belonging to the SS.Panzerregiment 1, of the 1. SS.Panzerdivision "LSSAH". This elite armored unit of the Waffen-SS confronted the US Army in the snowy Belgian forests in the beginnings of 1945.
This Panther has the tactical numbers -221- painted in the turret to identify the number of the tank in his unit with black numbers outlined with white. Although is not usual in this period, it is possible that the symbol of the 1. SS-Pz.Div. (a German shield with the key) was painted in the front of the tank.



Pz.Kpfw. V Panther Ausf. G; Germany, 1944
This Pz.Kpfw. V Panther Ausf.G was sight almost after leaving the MAN factory in Germany, waiting to be assigned to any Wehrmacht Panzer Division deployed in the Western or the Eastern front.
The tank is painted with the colors and the scheme previously mentioned. This tank is not painted with any kind of tactical marking or number.

Pz.Kpfw. V Panther Ausf. G; Stavelot; Ardennes (Belgium), 1944
Here we can see a Panther Ausf.G of the SS.Panzerregiment 1, belonging to the 1. SS.Panzerdivision "Leibstandarte SS Adolf Hitler", during the Ardennes (Belgium) battle in December 1944.
This tank was painted with the typical camouflage of dark yellow (Dunkelgelb RAL 7028), olive green (Olivgrün RAL 6006) and red brown (Rotbraun RAL 8017). There are tactical markings in every side of the turret -211- with black numbers outlined with white

Pz.Kpfw. V Panther Ausf. G; Krinkelt; Ardennes (Belgium), 1944
This Pz.Kpfw. V Panther Ausf. G belonged to the SS.Panzerregiment 12, assigned to the 12. SS.Panzerdivision "Hitlerjugend". This and other similar Panthers were destroyed by the North-American Artillery 18th December of 1944 in Krinkelt.
Once again, we can see the usual three-color camouflage with stripes of dark yellow, red brown and olive green. In this case the predominant color is the olive green. The tactical number -127- is painted at both sides of the turret.

When we are around to model a Panther is easy to doubt because there are a lot of model kits and aftermarket products for the detailing. We'll start with the plastic kits, but in this analysis we are going to focus in the current quality standards, and they are not poor. We are going to analyze "High-Tech" products and we are going to obviate old models that needs more work for detail and more effort to make an accurate Panther. We are also going to miss out the expensive aftermarket products to change road wheels, turrets, mantlets, engine decks, etc.

MODEL KITS

Tamiya

Scale 1/35 - Panther G Early - Ref.35170

Tamiya models about the Panther are somewhat obsolete in details, but they are perfect for modelers who don't want complications with the building, because of the accuracy in the fittings and the low number of pieces that they have. Nevertheless the detail of some pieces are not as good as some modelers want, and to achieve this accuracy you will need new tracks, aluminum barrel, a great PE set and extra resin pieces, as the sights.

Tamiya

Scale 1/35 - Panther G Steel Wheeled - Ref.35174

This is the same kit as above with the addition of the new steel wheels and the infra red vision equipment.

Tamiya

Scale 1/35 - Panther G Late - Ref.35176

With this kit we can build a command version vehicle, but it requires an extra detail up, because some pieces are wrong.

Tamiya

Scale 1/48 – Panther Type G – Ref.32520

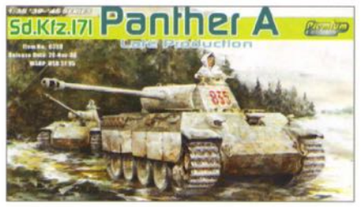
It's the only option in the quarter scale and it has advantages and disadvantages. The quality of the pieces is good and the fitting is perfect. Nonetheless the Tamiya kits in this scale have

many simplified details, especially in the lower parts and the equipment or tools. As the models in the big scale, this kit needs some extra work but in this case the tracks provided by Tamiya are quite good.

Dragon

Scale 1/35 – Panther A Late Premium Edition – Ref.6358

This is a great option if we want to make a Panther Ausf.A. It is without a doubt one of the best model kits of the market. It is the same model that the reference 6168 with a few



extra pieces to make it almost perfect. The plastic parts are very nice detailed and the kit is very accurate, but there is a photo-etched set to make the grills, the tool clamps and holders, as well as other details. Furthermore the kit includes other metal parts such Schurzen and gun barrel. The tracks are "Magic Tracks" a series of tracks that Dragon make with individual links, separated from the sprue and ready to build. They are not workable but you only need glue to complete them. The only problem with this kit is that all Panther Ausf.A should have Zimmerit paste and you will have to add it whether with a resin kit or with putty. The instructions are a bit complicated and have several fails.

Dragon

Scale 1/35 – Panther D Premium Edition – Ref.6299

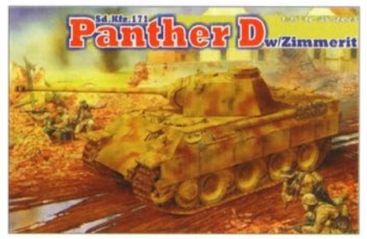
This Ausf.D Panther from Dragon is also superb in details and extras. As the version is not mentioned in the instructions you need to

pay attention to chose some pieces to make your model early or late. If you are looking for a late version with Zimmerit, your best choice is the next one.

Dragon

Scale 1/35 – Panther D with Zimmerit – Ref.6428

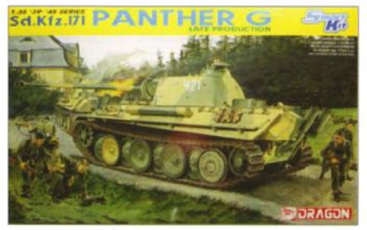
This kit has the same metal pieces and complements as the other kits but the main



pieces of the hull and turret are different. Those pieces have the Zimmerit modeled and you will not need to spend more money or time to achieve a very nice model with Zimmerit.

Dragon

Scale 1/35 – Panther G Late Production – Ref.6268



This kit belongs to the "Smart Kit" series and doesn't have all the extras like gun barrel or photo-etched. There is a small PE set for the grills and the same Magic Tracks. It's a very good choice for those modelers that don't like to build complicated kits, because it has very well details and accurate pieces. The only problem with this model is that there are many options to choose for different versions, but they are not explained in the instructions, so you will need very good references.

Dragon

Scale 1/35 – Panther G with Steel Road Wheels– Ref.6370

This is the kit that we chose for this monographic. It is basically the same kit that the previous but with new wheels and some other piece. The kit also has the rubber type wheels.

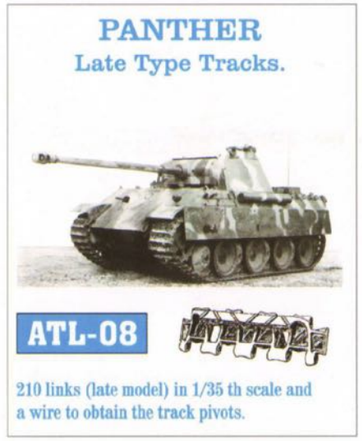
Dragon

Scale 1/35 – Panther F mit Gummigedaemften Stahlaufrollen - Smart Kit– Ref.6370

As the Ausf.G from Dragon, this is also a Smart Kit because they share many sprues as running gear, hull, photo-etched, barrel, etc. Apart from those pieces there is a new turret of this prototype that never was into production.

TRACKS

Friulmodel– Scale 1/48 y 1/35 – Panther – Several references



Friulmodel tracks are for sure the most popular between the models around the world, but they are not cheap. They offer undeniably a great realism as they are full workable and once they are assembled the tracks are very strong. The metal links are separated and you need to insert a wire between them. This Hungarian company has several items: ATL-4801 PANTHER Late Type Tracks, ATL-4809 PANTHER Early type Tracks, ATL-08 PANTHER Late Type Tracks, and ATL-33 Panther Ausf. D / VK 1602 LEOPARD.

SKP

Scale 1/35 – Clickable tracks for Panther A-G– Ref.102

These tracks are made with resin and they are not workable. The links are very well detailed and you only need a small work for clean some trim excess. They have an easy assembly because glue is not required but they are a more fragile than the metallic ones.

Bronco

Scale 1/35 – Panther (early prod.) workable Tracks – Ref.AB3541

This Chinese producer makes a plastic tracks fully workable. The accuracy is similar to the Dragon ones. The difference is that you don't need glue for the assembly and they are workable. In this aspect they are similar to the SKP ones, but you need to separate every link from the sprue.

Modelkasten

Scale 1/35 – Panther early and late Tracks – Ref.SK10 y SK13

These two references from Modelkasten offer great quality workable tracks, but they need a considerable work of assembly, as every link has two pin connectors. The worst point is that you will need to separate every little piece from the sprue, and once you have the tracks assembled, they are not strong. Their price is not a help either.

GUN BARRELS

Aber

Scale 1/35 – German 75mm KwK 42 L/70 Panther Ausf.D/A & early G – Ref.35L04

This kit has ten pieces to make the muzzle plus the aluminum turned barrel.

Aber

Scale 1/35 – German 75mm KwK 42 L/70 Panther Ausf.G Late – Ref.35L36

Same number of pieces to make the latest version of the gun. This reference fits perfectly in the Tamiya's model and the 35L56 is made for the Dragon model kits.

RB

Scale 1/35 – 7.5cm KwK 42 L/70 PzKpfw V - Panther – Ref.35B06

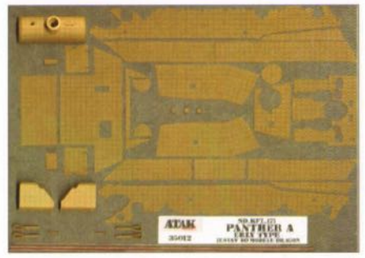
This Polish producer offers gun barrel with high quality and low prices. This one have a nine pieces muffler and aluminum barrel with a thread in the front to insert the muffler and barrel rifling. The reference 35B60 is the same barrel with a different muffler type.

Griffon

Scale 1/35 - 7.5cm Kw.K 42 L/70 Barrel with Late Muzzle Brake for Panther Ausf.G – Ref. LB35001

This barrel is similar to the others, with eleven small pieces to build the muffler. This reference is made to fit the Dragon kits and the LB35016 is made to fit Tamiya kits.

ZIMMERIT



After discard the photo-etched Zimmerit that do not gives realistic results, we only have resin options if we do not want to model it with putty:

Atak

Scale 1/35 – Panther Zimmerit – Several references

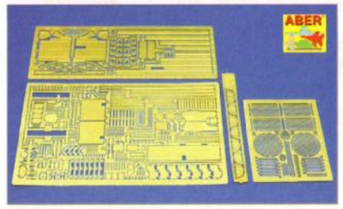
This company offers a kit with a very thin resin and a superb detail. The kit also has some solid pieces as the mantlet, the rear boxes, the MG front cover and the rear plate with the Zimmerit modeled. There are several references for every kit of different producers.

Cavalier

Scale 1/35 – Panther Zimmerit – Several references

A similar product as the previous but made in Australia. They also offer Zimmerit in thin resin and solid pieces for the mantlet, etc.

PHOTO-ETCHED SETS



Today is very easy to find high quality PE sets from different companies, some of them are even to much detailed and with an excess of pieces. It is useful to study it prior to buy it and find which one is designed for our model kit and our requirements. We can give you some advices:

Aber: this prolific Polish producer offers a lot of sets with all kind of options. These sets have a wonderful quality but sometimes there are some unnecessary pieces that will not improve the kit. One good point is that they produce some small kits as the Schurzen, the fenders, the grills, etc. A very good catalog for every kind of modeler.

Eduard: the sets of this Czech company usually have less detail that the Aber ones, but they are easy to find in our favorite model shop. You need to be careful to choose the right kit because there are many references for old model kits that it is probably that will not fit the new kits.

Lion Roar: this eastern producer only has a kit in their catalog but it was the one chosen for our Panther Ausf.G because it has every piece that we need to detail our model: tools, grills, Schurzen, etc.

Voyager: very similar catalog to the Aber, with a lot of references, from the simple grill set to the very comprehensive set for the most demanding modelers.

ET Model: their PE sets are very good and you can find them in international stores with a very interesting price.

Hauler: this Czech producer is specialized in quarter scale photo-etched sets, but there are references for other scales. All the kits have a great quality.

Griffon: one of the last joining the photo-etched market is this eastern company. Their kits are superb but they are not recommended for "newbie" modelers.

Once explained some basic characteristics to take account of, we have chose some references for every model previously mentioned:

Tamiya Panther Ausf.G Scale 1/48

Aber – 48011 – Panther Ausf.G (Sd.Kfz.171)
Aber – 48013 – Side skirts for Panther Ausf.G & Jagdpanther
Aber – 48A10 – Rear boxes for Panther tanks & Jagdpanter
Eduard – 28019 – Panther Ausf. G
Eduard – 28023 – Schürzen Panther
Hauler - HLX48065 - PANTHER ausf.G
Hauler - HLX48066 - PANTHER/JAGDPANTHER ausf.G Grills
Hauler - HLX48067 - PANTHER/JAGDPANTHER ausf.G Fenders
Hauler - HLX48068 - PANTHER/JAGDPANTHER ausf.G Schurzen
Hauler - HLX48069 - PANTHER/JAGDPANTHER ausf.G Kisten

Tamiya Panther Ausf.G Scale 1/35

Aber – 35024 – Panther, Ausf.G
Aber – 35A024 – Front fenders and side supports for Panther Ausf.G/F and Jagdpanther
Aber – 35G02 – PzKpfw V Ausf.G/F "Panther" (Sd.Kfz.181)
Aber – 35G14 – Grilles for Sd.Kfz.171 Panther, Ausf.G late model
Eduard – 35353 – Schürzen Panther Ausf. G
Eduard – 35354 – Panther Ausf. G early
Eduard – 35362 – Panther Ausf. G late
Eduard – 35756 – Panther Ausf. G (steel wheels)
Eduard – 35775 – Schürzen Panther Ausf. G (steel wheels)
Voyager – 35058 – Panther Ausf G
Aber – 35A031 – Front fenders and mud flaps for Panther Ausf. A/D
Aber – 35A107 – Side skirts for Sd.Kfz. 171 Panther
Aber – 35A110 – Front fenders for Panther Ausf.A/D
Aber – 35G10 – PzKpfw V Ausf.A/D "Panther" (Sd.Kfz.181)
Eduard – 35486 – Panther Ausf. A early
Eduard – 35501 – Schürzen Panther Ausf. A
Eduard – 35977 – Panther Ausf. A late
ET Model – EA35061 – WWII German Additional Armor Plates for Panthers D/A/G
ET Model – C35001 – WWII German Panther A
Voyager – 35084 – Panther Ausf A

Dragon Panther Ausf.D Scale 1/35

Aber – 35211 – Pz.Kpfw. V, Ausf.D (Sd.Kfz. 181) Panther D
Aber – 35A031 – Front fenders and mud flaps for Panther Ausf. A/D
Aber – 35A107 – Side skirts for Sd.Kfz. 171 Panther
Aber – 35A110 – Front fenders for Panther Ausf.A/D
Aber – 35G10 – PzKpfw V Ausf.A/D "Panther" (Sd.Kfz.181)
Eduard – 35505 – Panther Ausf. D
Eduard – 35513 – Schürzen Panther Ausf. D
ET Model – EA35061 – WWII German Additional Armor Plates for Panthers D/A/G
ET Model – C35005 – WWII German Panther D
Voyager – 35083 – Panther Ausf D
Voyager – PEA069 – Panther D Anti Aircraft Armor
Voyager – PEA074 – Side Skirts for Panther D/A

Dragon Panther Ausf.G Scale 1/35

Aber – 35221 – Panther Ausf.G late - basic set
Aber – 35222 – Fenders forPanther Ausf.G & Jagdpanther
Aber – 35223 – Side skirts forPanther Ausf.G & Jagdpanther
Aber – 35G02 – PzKpfw V Ausf.G/F "Panther" (Sd.Kfz.181)
Eduard – 35872 – Panther Ausf. G Night Fighting
Eduard – 35926 – Panther Ausf. G late
Eduard – 35927 – Schürzen Panther Ausf. G late
ET Model – 35115 – WWII German Panther G
ET Model – EA35023 – WWII German Panther G/F & Jagdpanther Stowage Bin
ET Model – EA35024 – WWII German Panther G/F & Jagdpanther Schurzen
ET Model – EA35061 – WWIWW II German Additional Armor Plates for Panthers D/A/G
ET Model – C35002 – WWII German Panther G
Voyager – 35140 – Panther Ausf G
Voyager – PEA138 – WWII German Panther G/F/II Side Skirts Late Production
Griffon – L35001 – WWII German Sd.Kfz.171 Panther Ausf.G Tank
Griffon – L35008 – WWII German Sd.Kfz.171 Panther Ausf.G Tank w/Steel Road Wheels
Lion Roar – 35015 – WWII German Panther G

Dragon Panther Ausf.F Scale 1/35

Aber – 35053 – Panther, Ausf.F & Panther II
Aber – 35G02 – PzKpfw V Ausf.G/F "Panther" (Sd.Kfz.181)
ET Model – 35116 – WWII German Panther F
ET Model – C35009 – WWII German Panther F
Voyager – 35288 – WWII German Panther F Basic
Voyager – PEA138 – WWII German Panther G/F/II Side Skirts Late Production
Voyager – PEA139 – WWII German Panther F Anti Aircraft Armour

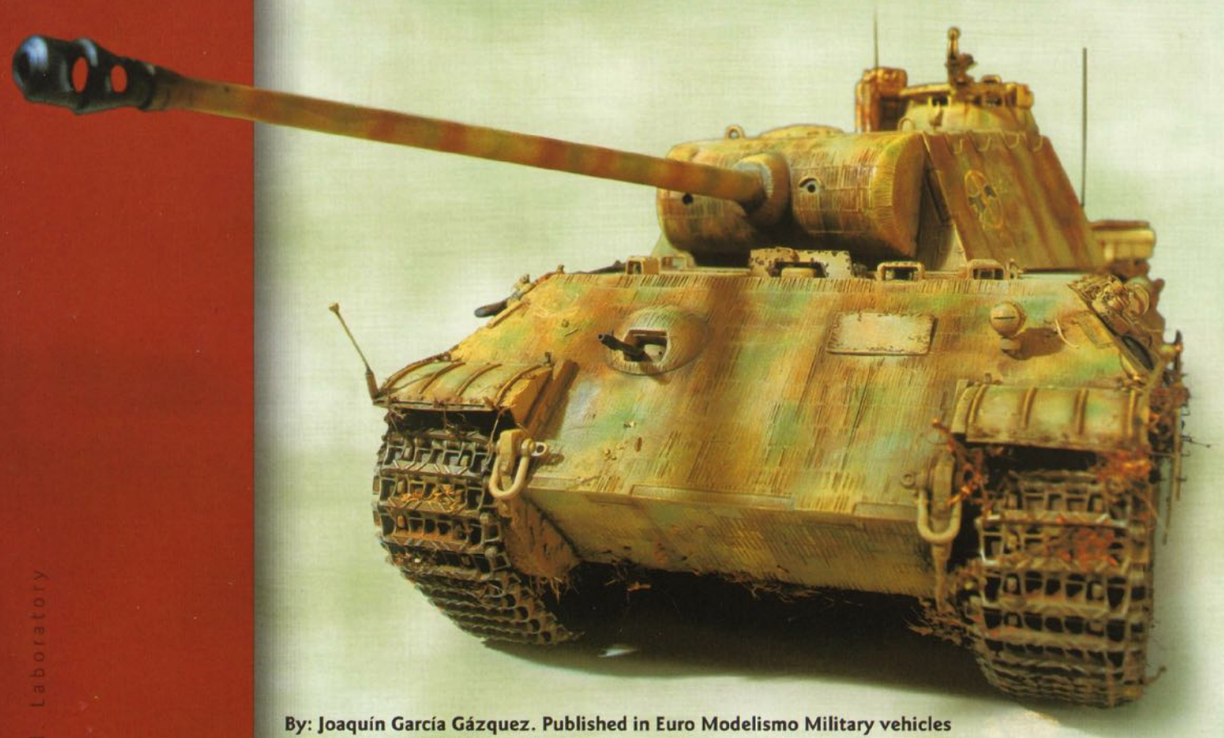
Generics

Aber – 35A028 – Side skirts for Panther Ausf.G, Jagdpanther
Aber – 35A091 – Rear boxes for Panther tanks & Jagdpanter
Aber – 35A115 – Aditional shrapnel covers for Panther Ausf.G
Aber – 35A117 – Rear boxes for Panther G &Jagdpanter produced from April 1944 in M.N.H.
ET Model – EA35026 – WWII German Panther D Kursk 1943
ET Model – EA35058 – WWII German Side Armor Skirts for Panther G/F/II Jagdpanzer
ET Model – EA35059 – WWII German Side Armor Skirts Panther G/F/II Jagdpanzer Late version
ET Model – EA35060 – WWII German Cleaning rod bin for Panther/Jagdpanther
Voyager – PEA065 – WWII Panther A/G Anti Aircraft Armor
Voyager – PEA070 – Cleaning Rod Bin for Panther/Jagdpanther
Voyager – PEA071 – Panther Ausf D in Kursk Model
Voyager – PEA072 – WWII Infra Red FG1250 for Panther Ausf G
Voyager – PEA075 – Side Skirts for Panther G/F Jagdpanzer Smart Kit
Griffon – L35A001 – WW II German Additional Armor Plates for Panthers Cooling System(For Ausf.D & A)
Griffon – L35A002 – WW II German Additional Armor Plates for Panthers Cooling System(For Panther Ausf.G)
Griffon – L35A013 – Schurzen(Side Armor Skirts)for WW II German Panther Ausf.G/Jagdpanther
Griffon – L35A014 – Final Type Schurzen(Side Armor Skirts)for WW II German Panther Ausf.G Late&Final Production
Griffon – L35A048 – On-Vehicle-Tool Racks & Preformed Storage Tube for WW II German Panther Ausf.G/Jagdpanther
Griffon – L35A049 – Rear Storage Bins for WW II German Panther Ausf.D/A/G& Jagdpanther(All Production Series)

By: Carlos de Diego Vaquerizo. Published in Euro Modelismo: Armor in Russia III.
Pz.Kpfw. V Panther Ausf. D

By: Fernando González Sánchez. Published in Panzer Aces issue No. 21.
Pz.Kpfw. V Panther 4 Pz.Div. 1994-45.

By: Enrique Vega Martin. Published on Panzer Aces issue No. 5. Panther G (Befehlswagen)



By: Joaquín García Gázquez. Published in Euro Modelismo Military vehicles special issue No. 2. Panther Ausf. A

Model Laboratory

Model Laboratory N°1: Pz.Kpfw. V Panther Ausf. G (Sd.Kfz. 171)

Color chart and materials employed: 2-3
Detailed assembly: 4-9
Paint treatments: 10-19
Top, front and side views: 20-21
General overviews: 22-23
Color profiles: 24-25
Choosing Products: 26-28
Gallery: 29-30

Acción Press

Editor
Rodrigo Hernández Cabos

Technical Staff
Carlos de Diego Vaquerizo, Fernando González Sánchez
Rodrigo Hernández Cabos, Pere Pla Maestro.

Coordinating chief
Marisó Chacón

Photography
Fernando Cañellas Planchuelo
Fernando González Sánchez

Design and Lay-out
Raúl Fernández Ruiz
Acción Press, S.A.

Printed by:
ATIG Artes Gráficas

Filmsetting:
ACCION PRESS, S.A.
José Ignacio Pérez Lozano
Raúl Fernández Ruiz

Redaction, Techincal staff, Administration and Publicity
ACCION PRESS, S.A.
c/Ezequiel Solana, 16 - 28017 Madrid
Telf.: 914 086 135 y 913 675 708 - Fax: 914 085 841
accionpress@euromodelismo.com
euromodelismo@euromodelismo.com

Orders at:
Marisó Chacón - Fernando Cañellas Planchuelo
Tel.: 913 675 708
suscripciones@euromodelismo.com

Advertisements:
Fernando Cañellas Planchuelo
Tel.: 913 675 708 - 692 203 968
fernandoc@euromodelismo.com

Published by: ACCION PRESS, S.A.
Distribution: LOGISTA, S.A.
Legal Deposit: M-19724-1992
ISBN: 978-84-95464-77-4

All rights reserved. No part of this work may be reproduced or used in any forms or by any means without the permission from the publisher.
MODEL LABORATORY doesn't expressly line up with the opinions of the collaborators.

New Monographic, Now On Sale!

New monographic dedicated to the Afrika Korps. 88 pages in which you can find the latest techniques employed by the authors showed step by step. A perfect reference to learn how to paint those effects produced in desert conditions. Techniques that will inspire you to build your desert models.

STEVENS INTERNATIONAL

PO Box 126
706 N White Horse Pike
Magnolia, NJ 08049 USA
www.stevenshobby.com

HISTOREX AGENTS

Wellington House
157 Snargate Street
Dover, Kent CT17 9BZ
www.historexagents.com